

## SOLID POLYMER TYPE FUEL BATTERY

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- **European:**  
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### Abstract of JP2002170584

**PROBLEM TO BE SOLVED:** To provide an off-gas heating device excellent in humidification performance. **SOLUTION:** A humidifier comprising first and second humidification blocks 4 and 5 is connected to a fuel battery main body 7 through a spacer 6. The air, which is a reactive gas, is allowed to flow from a reactive gas 11 to the first humidification block 4 and further to the second humidification block 5, thus it is supplied to an air pole of the fuel battery main body. The off gas containing moisture discharged from the air pole of the fuel battery main body is guided into the humidifier for flowing in the direction opposite to the reactive gas, then exhausted outside through a off gas outlet 14. The cooling water which becomes hot after passing a cooling mechanism of the fuel battery main body 7 is guided into the second humidification block 5, for heating the humidifier.

